

BlackStar OSB 6" Wall SIP Panels



Owner
BackStar IP, LLC
10017 Kingshyre Way
Tampa, FL 33647

ENGINEERING BY
DAVID F. RAMSEY
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- 1. Cover Sheet
 - 2. Roof Panel Racking and Anchoring
 - 3. Roof Panel Creep and Uplift
 - 4. Roof Panel Impact
 - 5. Roof Panel Screw and Section



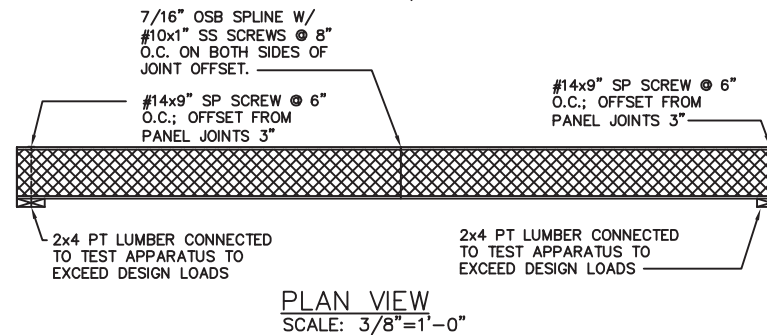
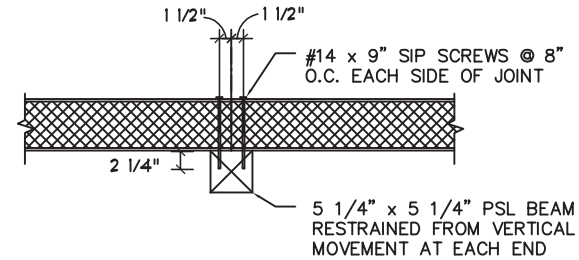
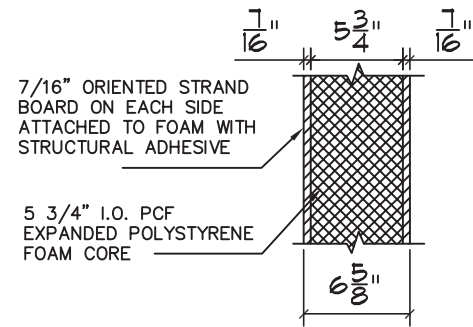
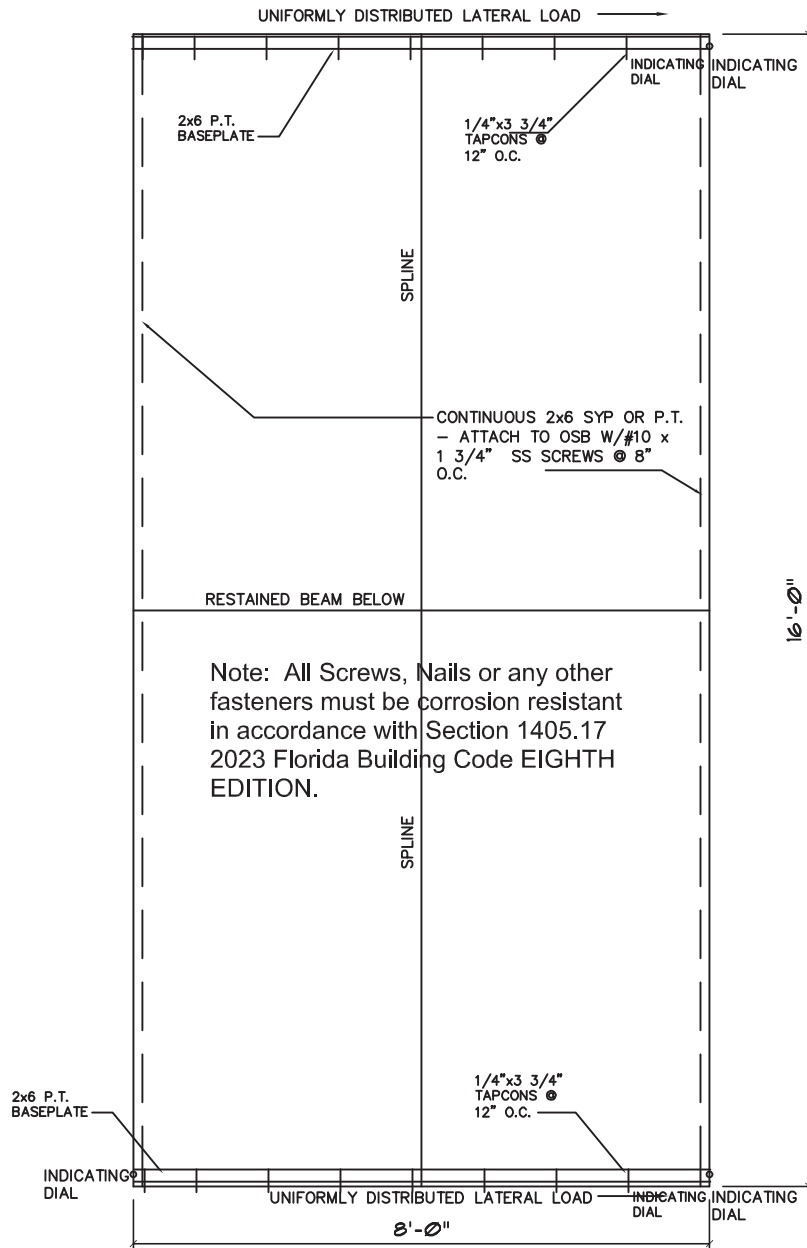
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Ramsey
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BlackStar Structurally Insulated Panels
DAVID F. RAMSEY
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Cover Sheet
for Les Allen, Jr.
BlackStar IP, LLC
10017 Kingshyre Way
Tampa, FL 33647
Sheet No.
1 of 5
JN 4-1023



TEST

TESTING STANDARD:

ASTM E1803-99 - SECTION 9 DIAPHRAGM TESTING FOR FLOOR OR ROOF CONSTRUCTIONS - REFERENCING E455-04
INITIAL LOAD: 0 LBS
INCREMENTAL LOAD: 1000 LBS
TEST UNTIL SHEAR FAILURE OF PANEL OR CONNECTION OCCUR FOR (3) LIKE SPECIMENS

TEST SPECIMEN:

(4) 4'x8'x6 5/8" PANELS, AS SHOWN ABOVE

MANUFACTURER:

BlackStar IP, LLC, TAMPA, FL

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David F Ramsey Digitally signed by David F Ramsey
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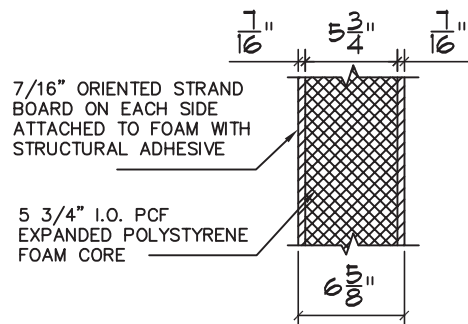
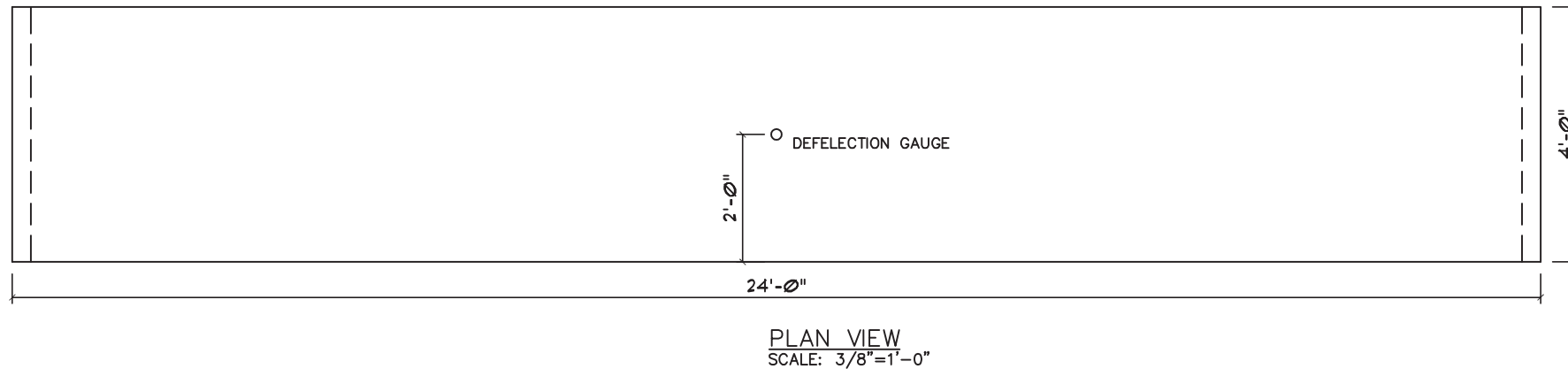
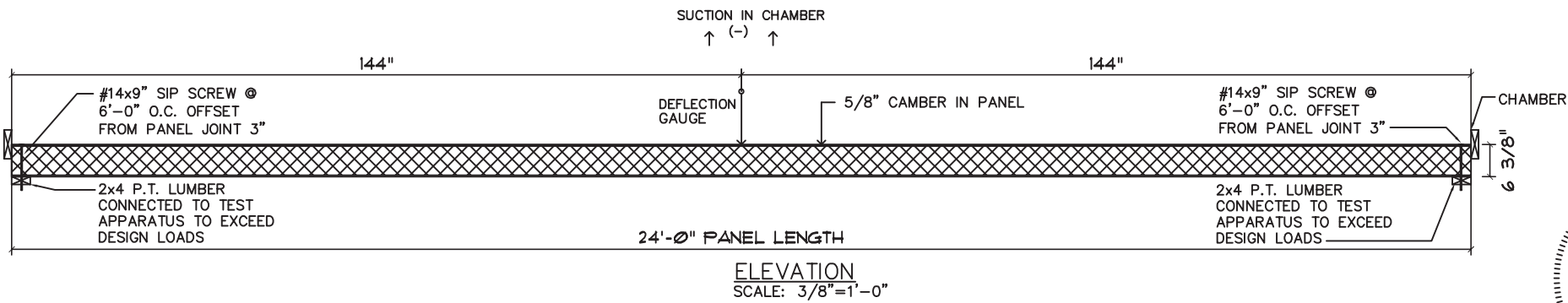
REGISTERED PROFESSIONAL ENGINEER
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BlackStar Structurally Insulated Panels

Roof Panel Racking and Anchoring

Les Allen, Jr.
BlackStar IP, LLC
11301 N. Dale Hwy
Tampa, FL 33614

Sheet No.
2 of 5
JN 4-1023



TEST

TESTING STANDARD:

& METHOD D 1037

TEST SPECIMEN:

MANUFACTURER:

MAXIMUM EXPECTED LOAD: 200 PSF

ASTM E1803-99 - COLD CREEP FOR FLOOR OR ROOF CONSTRUCTION SECTION II
INITIAL LOAD: 65 PSF
ASTM E1803-99 - UPLIFT RESISTENCE FOR ROOF PANEL ATTACHMENT SECTION 10
PERFORM UPLIFT TEST ON PANEL AFTER CREEP TEST IS COMPLETE.

6 5/8" THICK OSB PANEL AS SHOWN ABOVE

BlackStar IP, LLC, TAMPA, FL

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Ramsey
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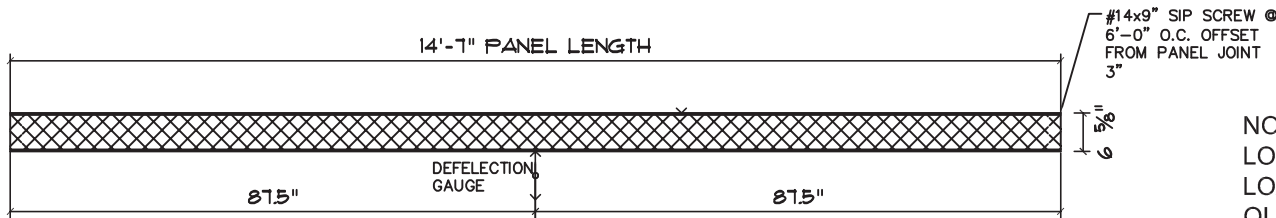
BlackStar Structurally Insulated Panels

494 Skinner Boulevard
Dunedin, FL 34698
727-951-1111
email: david@ramseyengineering.com

Roof Panel Creep and Uplift

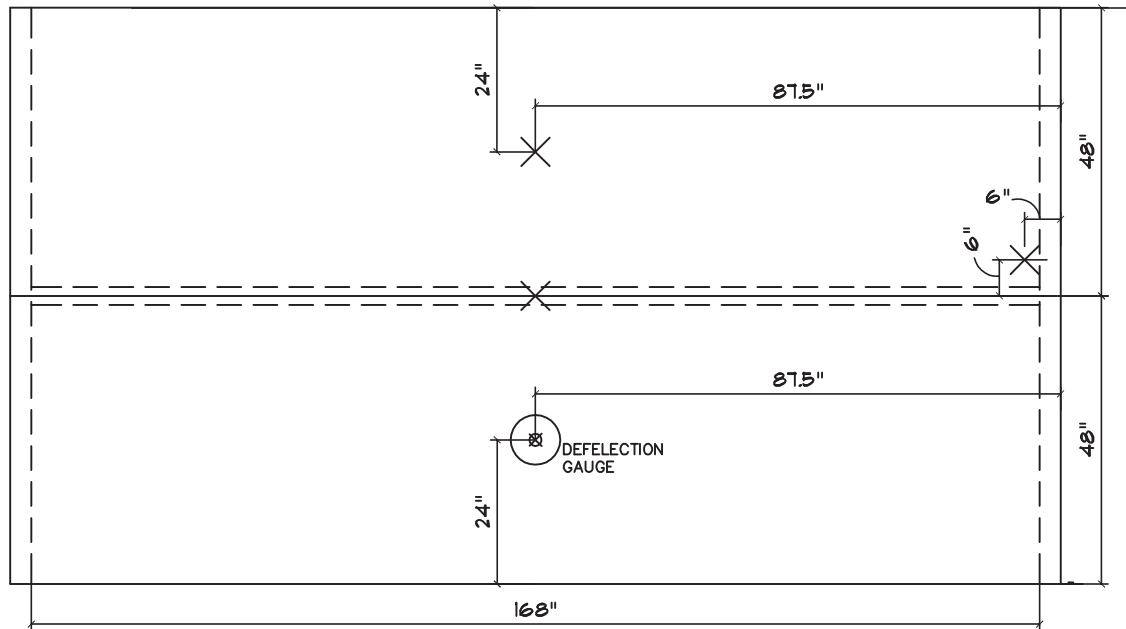
for Les Allen, Jr.
BlackStar IP, LLC
Professional Engineer
Tampa, FL 33604

Sheet No.
3 of 5
UN 4-1023

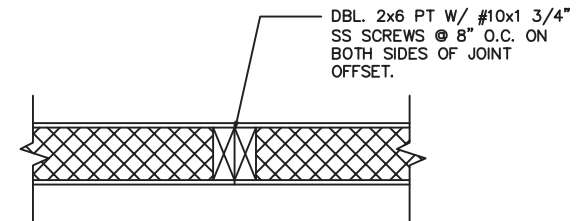


ELEVATION
SCALE: 3/8"=1'-0"

NOTE: PANEL MAY BE LONGER PROVIDED LOAD IS NOT APPLIED OUTSIDE OF 14'-0" SPAN



PLAN VIEW
SCALE: 3/8"=1'-0"



SPLINE SECTION ANCHORING
SCALE: 1"=1'-0"

✕ IMPACT LOCATIONS

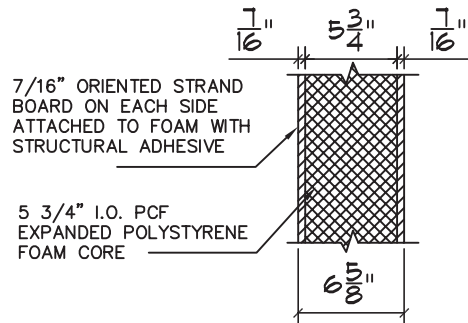
TEST
TESTING STANDARD:

ASTM E1803-99 - COLD CREEP FOR FLOOR OR ROOF CONSTRUCTION SECTION II
INITIAL LOAD: 65 PSF
ASTM E1803-99 - UPLIFT RESISTANCE FOR ROOF PANEL ATTACHMENT SECTION 10

PERFORM UPLIFT TEST ON PANEL AFTER CREEP TEST IS COMPLETE.

TEST SPECIMEN: 6 5/8" THICK OSB PANEL AS SHOWN ABOVE

MANUFACTURER: BlackStar IP, LLC, TAMPA, FL

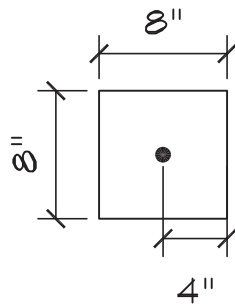


PANEL SECTION
SCALE: 1"=1'-0"

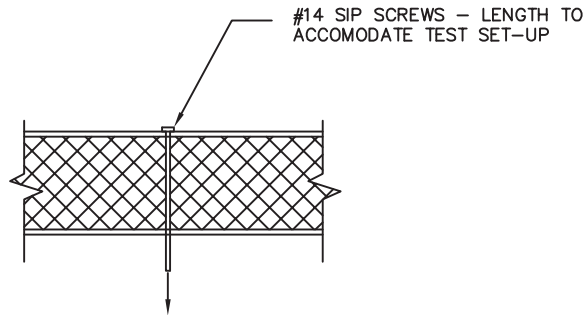
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David F Ramsey
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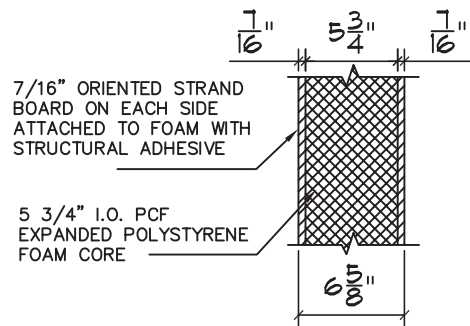
REGISTERED	PROFESSIONAL ENGINEER	11-25-23
DAVID F. RAMSEY	434 Skinner Boulevard Dunedin, FL 34698 727-944-1111 email: david@ramseyengineering.com	15307
BlackStar Structurally Insulated Panels	BlackStar IP, LLC	Roof Panel Impact
Sheet No. 4 of 5	JN 4-1023	



PLAN VIEW
SCALE: 1"=1'-0"



LOAD SECTION
SCALE: 1"=1'-0"



PANEL SECTION
SCALE: 1"=1'-0"

TEST

TESTING STANDARD: ASTM E1803-99 - SECTION 10 REFERENCING METHOD
D1037-06, SECTION 15
TEST (3) SPECIMENS UNTIL SCREW PULL THROUGH

TEST SPECIMEN: 6 5/8" THICK OSB PANEL AS SHOWN ABOVE

MANUFACTURER: BlackStar IP, LLC, TAMPA, FL

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11-25-23				
424 Skinner Boulevard Dunedin, FL 34698 774.444.4444 email: david@ramseyengineering.com				
BlackStar Structurally Insulated Panels 11-25-23 11-25-23				
Roof Panel Screw and Section 11-25-23 11-25-23				
Sheet No. 5 of 5 JN 4-1023				